

Notice of Allowability

Application No.

10/694,890

Examiner

Michael A. Marcheschi

Applicant(s)

NISHIMOTO ET AL.

Art Unit

1755

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/29/05.
2. ☒ The allowed claim(s) is/are 24-31.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Michael A Marcheschi
Primary Examiner
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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Harris A. Pitlick on 7/19/05

The application has been amended as follows:

ABSTRACT:

Cancel the pending abstract and insert in its place the following new abstract:

--Provided are an aqueous dispersion for chemical mechanical polishing, which planarizes a surface to be polished and has high shelf stability, a chemical mechanical polishing process excellent in selectivity when surfaces of different materials are polished, and a production process of a semiconductor device. A first aqueous dispersion contains a water-soluble quaternary ammonium salt, an inorganic acid salt, abrasive grains and an aqueous medium. A second aqueous dispersion contains at least a water-soluble quaternary ammonium salt, another basic organic compound other than the water-soluble quaternary ammonium salt, an inorganic acid salt, a water-soluble polymer, abrasive grains and an aqueous medium. The second aqueous dispersion is composed of a first aqueous dispersion material (I) obtained by mixing a water-soluble quaternary ammonium salt and an inorganic acid salt into an aqueous medium, and a second aqueous dispersion material (II) obtained by mixing a water-soluble

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polymer and another basic organic compound other than the water-soluble quaternary ammonium salt into an aqueous medium. Abrasive grains are contained in at least one of the aqueous dispersion materials.--

SPECIFICATION:

Page 8, line 13, before 'than', insert --other--.

Page 8, line 24, before 'than', insert --other--.

Page 33, line 13, before 'than', insert --other--.

Page 33, line 21, before 'than', insert --other--.

Page 34, line 6, before 'than', insert --other--.

Page 34, line 19, before 'than', insert --other--.

Page 34, line 23, before 'than', insert --other--.

Page 35, line 1, before 'than', insert --other--.

Page 35, line 20, before 'than', insert --other--.

Page 36, line 13, before 'than', insert --other--.

Page 39, line 25, before 'than', insert --other--.

CLAIMS:

Claim 24, line 2 cancel "at least".

Claim 24, line 2, cancel "and/or" and insert --or an--.

Claim 24, line 6, cancel "first".

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Claim 24, line 7, cancel “a polysilicon film” and insert --the polysilicon film or the amorphous silicon film--.

Claim 24, line 8, **after** ‘polysilicon film’, insert --or the amorphous silicon film--.

Claim 25, line 2 cancel “at least”.

Claim 25, line 2, cancel “and/or” and insert --or an--.

Claim 25, line 6, cancel “second”.

Claim 25, line 7, cancel “a polysilicon film” and insert --the polysilicon film or the amorphous silicon film--.

Claim 25, line 8, **after** ‘polysilicon film’, insert --or the amorphous silicon film--.

The following is an examiner’s statement of reasons for allowance:

The claimed invention is novel over prior art of record (including the art defined on the search report) because said art **fails** to teach or suggest the claimed method which involves planarizing the claimed specific materials with a composition that comprises the claimed specific components and wherein the method achieves the claimed removal rate ratio defined in the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

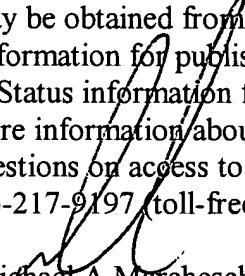
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Marcheschi whose telephone number is (571) 272-1374. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on (571) 272-1233. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MM
7/19/05


Michael A Marcheschi
Primary Examiner
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